

What is Claimed is:

1. A composite material-stiffened panel, comprising:
a skin obtained by molding a fiber-reinforced resin composite material into a flat skin;
stiffeners arranged in rows on one surface of said skin;
and
a fiber-reinforced resin-composite material stitched on said skin covering said stiffeners.
2. The composite material stiffened panel according to claim 1, further comprising ribs for connecting said stiffeners arranged in rows.
3. A composite material-stiffened panel manufacturing method comprising the steps of:
placing a first fabric material on a tool having a panel-shaped surface;
placing stiffeners on said first fabric material;
placing a second fabric material on the stiffeners so as to cover at least some of said stiffeners;
reforming said second fabric material so as to match the shape of said stiffeners;
stitching said reformed second fabric material on said first fabric material along edges of said stiffeners;
covering all the materials with a bagging film for vacuum;
infiltrating resin into said fabric materials by a RTM or a RFI method; and
heating the infiltrated resin to be hardened.
4. A composite material-stiffened panel manufacturing method, comprising the steps of:
placing a first fabric material on a tool having panel-shaped surface;
placing a second fabric material on said first fabric material so as to be loosened in some places for stiffeners

to be put through;

putting the stiffeners through between said loosened second fabric material and said first fabric material;

reforming said second fabric material so as to match the shape of said stiffeners;

stitching said reformed second fabric material on said first fabric material along edges of said stiffeners;

covering all the materials with a bagging film for vacuum;

infiltrating resin into said first and second fabric materials by a RTM or a RFI method; and

heating the infiltrated resin to be hardened.

5. The composite material-stiffened panel manufacturing method according to claim 3 or 4, wherein said first and second fabric materials are stitched after three-dimensional fabrics or fabrics are laminated.

6. The composite material-stiffened panel manufacturing method according to claim 3 or 4, wherein after said reformed second fabric material has been stitched on said first fabric material along the edges of said stiffeners, prepreg ribs are arranged on said first fabric material and said stiffeners or said second fabric material so as to cross said stiffeners and to abut on a molding tool, all the materials including the molding tool are covered with the bagging film for vacuum, the resin is infiltrated into said first and second fabric materials by the RTM or the RFI method, and the infiltrated resin is heated to be hardened.